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Morbidity and Mortality

Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

Prepared by the

COMMUNICABLE DISEASE CENTER

For release October 11, 1963 ATLANTA, GEORGIA 30333

OCT 1963

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101 12, No. 40

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE ENITED STATES A DEATHS IN SELECTED CITIES FOR WEEK ENDED OCTOBER 5, 1963

EPIDEMIC BOTULISM RELATED TO SMOKED FISH INGESTION

A sharp outbreak of botulism related to the ingestion of smoked fish products has resulted in a total of 13 cases of the disease with 6 fatalities. The cases which had onsets from September 29 — October 7 occurred among seven members of three different families in Knoxville, Tennessee, in 3 unrelated individuals in Nashville, Tennessee, a boy in Huntsville, Alabama, and in a husband and wife in Kalamazoo, Michigan.

Pertinent information on each of these cases as available through noon October 9 is summarized in the line listing in Table I. Each of the Tennessee cases and the Alabama case had consumed varying amounts of a commercially prepared plastic wrapped product known as

"vacuum packed smoked whitefish chubs" produced by the H. J. Dornbos and Brother Company of Grand Haven, Michigan, and distributed by Kroger's supermarkets. The two Michigan cases had eaten smoked whitefish but the commercial source of this is as yet uncertain. Therefore, no clearcut link between the two occurrences exists at the moment.

Dr. Glenn G. Slocum, Director, Division of Microbiology, Food and Drug Administration reports that type E botulinus toxin has been demonstrated in specimens of smoked fish remaining in the refrigerator of the Kalamazoo couple and also in samples of chubs from the same plastic package that contained fish eaten by two of the Tennessee fatalities (Family B, Knoxville).

From preliminary information regarding distribution of the commercial product "Dornbos smoked whitefish

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Cumulative totals include revised and delayed reports through previous week)

		40th Wee	k		Cumulative	
Disease	Ended	Ended	Median	F:	irst 40 wee	ks
District	October 5, 1963	October 6, 1962	1958 - 1962	1963	1962	Median 1958 - 1962
Aseptic meningitis. Brucellosis Diphtheria Encephalitis, infectious Hepatitis, infectious and serum Measles Meningococcal infections Poliomyelitis, total Paralytic Nonparalytic Unspecified.	8 23 877 805 39 19 15	89 9 17 47 947 1,331 32 37 34	17 17 - 55 811 1,026 40 130	1,385 285 194 1,220 33,507 360,881 1,873 305 257 31	1,945 320 323 1,466 42,874 445,694 1,659 645 507 101	583 497 1,466 28,847 398,286 1,768 2,426 1,671 523 232
Streptococcal sore throat and Scarlet fever Tularemia Typhoid fever Typhus fever, tick-borne, (Rocky Mountain spotted).	4,649 6 4 19	4,406 11 7 15	 15	263,871 202 221 410	245,695 213 230 489	633
Rabies in Animals	62	58	58	2,938	2,980	2,977

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax: Botulism: Tenn 10, Mich 2 Malaria: Conn 1 Plague:	Cum. 4 29 71	Psittacosis: Calif 1 Rabies in Man: Smallpox: Typhus, murine:	Cum. 62 1 - 21	
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TABLE I

Botulism Cases - Tennessee - Michigan
Epidemiological Data

Case Identification	Age	Sex	Time Onset	Source Food	Time Food Eaten	Other
Knoxville, Tenn.						
Family A					10.0	
Case #1		M	10 /3	Each had 1 '2 of same whitefish chub*	10 '2 - supper	Slow progression
Case #2	42	F	10 3		10'2 - supper	Mild
Family B	0.0		10.75	E 11 11/0 6 10 10 11	10.75	D: 110:8 8 4
Case #3	32	M	10./5	Each had 1 '2 of same whitefish chub*	1075 - breaktast	Died 10/7, 7:45 a.m.
o	1.0		afternoon		10.15	D: 110 = = 00
Case #4	10	F	10 '5 afterno	oon	10/5 - breakfast	Died 10/7, 7:30 a.m.
Family C Case #5	20	г	10 :7	Fach had assisted after white fich	10 6 1.00	C
Case #5	39	F	10 '7 5:00 a. m.	Each had portions of one whitefish chub*	10 6 - 1:00 p.m.	Severe
Case #6	1.0	F	10 7 - 5:00		10 /6 - 1:00 p. m.	Severe
Case #7	8	F	10 7 - 5:00		10 6 - 1:00 p. m.	Severe
Nashville, Tenn.	0	Г	10 7 - 3,00	a. III.	10 0 - 1:00 p. m.	Severe
	20		0.20 -	C -1 - 4 - bis-distribution	0.400	A.I. Die March In and
Case #8	30	M	9 29-а. п.	Smoked whitefish chubs*	9/28 - supper	Adm. Dx Myasthenia gravis
Case #9	53	3. /	10/7	Smoked whitefish chubs*	10.16	Died 9 '30 Dx. botulism retrospect
Case #9	33	IVI	10/7	Smoked willteristi chubs	10 '6 - p. m.	Some family members ate small amounts of fish without ill effect
Case #12	51	F	10 /6-a m	Smoked whitefish chubs*	10 5 - p. m.	Ate all fish in package
Case #12	31	I.	10/0-а. пт.	Shloked willterish chabs	10 5 - p. m.	Died 10/6 - p. m.
Huntsville, Ala.						Died 10/0 - p. iii.
Case #13	5	М	10/5-a m	Smoked whitefish chubs*	10 4 - noon	Mother, grandmother also ate
Cuse "10		171	10/1/ 01.1111	Smored winterian enaba	10 1 110011	small amount - not ill
Kalamazoo, Mich.						Sharr amount not in
Family D						
Case #10	64	M	10/2	Smoked whitefish**	10/1	Died 10/2
Case #11	62	F	10/2	Smoked whitefish**	10/1	Died 10/2
*Source Food - Do	rnbos	and	Brother Con	npany, Grand Haven, Michigan		,
**Source unknown						

chubs," it would appear that all the Tennessee and Alabama cases could be accounted for on the basis of one shipment of the product to Kroger's warehouse in Nashville. This shipment, the first for several months, was packed in dry ice and left Grand Haven on September 19, arriving in Nashville on September 25. It was then distributed to 18 Kroger stores in Tennessee as well as northern Alabama and southern Kentucky. The shipment to Knoxville arrived September 27 and was placed on shelves for sale on September 30 at the Kingston Pike Kroger supermarket.

Four Tennessee cases have been treated with Type E. antiserum. Connaught Medical Research Laboratories, Toronto, the sole supplier, reports that the supplies of Type E botulinum antisera are quite limited. These include both the monovalent Type E and polyvalent ABEF of Danish manufacture. Usual treatment of clinical cases consists of an initial dose of two vials (one IV and one IM). It is suggested that all cases with significant symptoms and a history of ingesting smoked fish be treated with Type E antisera in one of the available forms. Additional supportive therapy directed at problems of respiratory depression has included tracheotomy as well as the use of tank respirators.

According to the records of CDC, only six previous outbreaks of Type E botulism are known to have occurred in the United States. These outbreaks are summarized in

Table II. It will be noted that with the exception of the San Francisco outbreak in 1941, all of the outbreaks of Type E botulism in the United States have been related to fish products and raw white whale flippers (not strictly a fish product).

TABLE 11
KNOWN OUTBREAKS OF C. BOTULISM TYPE E
IN THE UNITED STATES

Year	Number of Cases	Number af Deaths	Location	Cantaminated Faad Items
1934	3	1	Westchester, N. Y.	Cammercially canned sprats from Germany
1934	3	1	Caaperstown, N. Y.	Labradar smaked salman
1941	3	1	San Francisco, Calif.	Mushraams fram Yuga- slavia canned in Califarnia
1950	5	0	Paint Hope, Alaska	Raw white whale flipper
1960	2	2	Minneapalis, Minn.	Plastic vacuum packed smaked ciscaes caugh in the Great Lakes
1963	3	2	Wayne Caunty, Mich.	Tuna fish canned in California
Tatal	19	8		

POLIOMYELITIS

A total of 19 cases of poliomyelitis, 15 with paralysis, were reported for the week ending October 5. During the

corresponding week in 1962, there were 37 cases reported. Three cases were reported by Pennsylvania, Michigan, Georgia and Alabama, two each by Indiana and Arizona, and single cases from Illinois, Virginia and California.

The cumulative totals, presented below, continue to reflect about one-half the incidence of polio as compared to 1962.

POLIOMYELITIS THROUGH THE 40TH WEEK FOR FAST FIVE YEARS

	1963	1962	1961	1960	1959
Paralytic	257	507	642	1675	4284
Tatal	305	645	992	2420	6652

The six week totals for 1963 and the previous four years are listed below:

51X WEEK5 TOTALS (35TH THRU 40TH WEEK) FOR PAST FIVE YEAR5

	1963	1962	1961	1960	1959
Paralytic	87	171	260	709	1757
Tatal	106	209	433	1052	2734

EPIDEMIOLOGICAL REPORTS

Dengue Fever - Puerto Rico

There have been 1,493 cases of dengue fever reported in the last week by the Puerto Rico Department of Health, bringing the total to 14,455 cases as of noon, October 7, 1963. Although 67 of 77 municipios have reported cases, the predominant number of cases continue to be reported from relatively few of the municipios; 12 municipios account for 74 percent of the 14,455 cases.

Naguabo (population:17,195) is the most recent municipio, and the first one on the eastern end of the island, to report 250 or more cases. There have been 323 cases reported in Naguabo, of which 135 were reported during the past week.

Intensive day-to-day surveillance continues in Barriada Frailes Llanos and Barriada Marrero in the township of Guaynabo. Attack rates in these population groups are given below:

			Dengue-like	**********
Periad	A rea	Papulatian	Illness	Rate (%)
Aug. 1 thru				
5ept. 24	Guaynaba Tawnship*	868	1 53	17.6
Aug. 1 thru	Barriada Frailes			
Oct. 7	Llanos	488	115	23.6
Aug. 1 thru				
Oct. 7	Barriada Marrero	209	75	35.9

^{*}Fram Marbidity survey canducted an September 24 and 2S; a fallow-up survey is planned an October 15 and 16.

The average duration of illness has ranged from 5.0 days in Barriada Frailes Llanos to 6.1 days in Barriada Marrero to 6.5 days for the entire township of Guaynabo. The distribution of clinical symptoms and signs among patients in these areas is summarized on page 336.

SUMMARY OF DEATHS AMONG PERSONS 65 YEARS AND OVER IN 108 U. S. CITIES

The weekly average number of deaths among persons 65 years and over in 108 cities for the four-week period ending October 5 was 6,070 as compared with an expected weekly average of 6,095.

		WE	EK END	ING	4 Week	Weekly
	9/14	9/21	9/28	10/5	Tatal	Average
Observed Expected	5,958 6,024	5,993 6,067	6,104 6,117	6,227 6,171	24,282 24,379	6,070 6,095
Excess	_ 66	-74	_ 13	56	- 97	_ 25

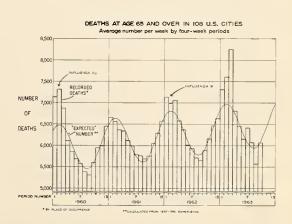


Table 5 CASIS OF SPECIFIED NOTIFIABLE DISFASES. UNITED STATES FOR WELKS INDED

OCTOBER 5, 1963 AND OCTOBER 6, 1962

	Polio	myelitis,	total ca		Poli	omyeliti	7		Poliomy	elitis, lytic		ptic ngitis
Area	10.1			ative	(0.1	,		lative		,	40.1	
	40th	week		0 weeks		week		40 weeks		week	40th	week
	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	196
UNITED STATES	19	37	305	645	15	34	257	507	2	3	58	89
VEW ENGLAND	-	-	4	7	-	-	4	7	-	-	-	-
Maine	-	-	1	-	-	-	1	-	-	-	-	-
New Hampshire	_	_	1	-	_	-	1		-		_	-
Vermont	_		2	6	_	_	2	6	_		_	
Rhode Island	-	-	_	-	-	-	-	_	-	-	-	_
Connecticut	-	-	-	1	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC	3	2	96	67	3	2	74	47	_	_	5	_
New York	-	2	8	52	-	2	5	34	-	-	5	-
New Jersey	-	-	1	6	-	-	1	6	-	-	-	-
Pennsylvania	3	-	87	9	3	-	68	7	-	-	-	-
EAST NORTH CENTRAL	6	10	48	80	4	9	36	56	-	1	16	16
Ohio	-	1	8	17	-	1	4	15	-	-	5	7
Indiana	2	I	4	14	-	1	1	10	-	-	1	2
Illinois	1 3	8 -	15 15	35	1 3	7	14 15	23	-	1	2 8	4 3
Michigan	-	-	6	5	-		2	2	-	-	-	-
VEST NORTH CENTRAL	-	2 -	5 4	31 6	-	2	5 4	21	-	_	1	8 5
Minnesota			4	5	-	_	-	2	_		-	-
Missouri	_	_	-	9	_	_	_	4	_	_	-	_
North Dakota	-	-		3	_	-	_	1	-	-	-	-
South Dakota	-	-	-	1	-	-	-	1	-	-	-	-
Nebraska	-	2	1	7	-	2	1	7	-	-	-	1
Kansas	-	-	-	-	-	-	-	-	-	-	-	2
SOUTH ATLANTIC	4	5	42	51	3	5	37	45	1	-	5	4
Delaware	-	-	1	-	-	-	1	-	-	-	-	-
Maryland	-	-	-	1	-	-	-	1	-	-	-	-
District of Columbia Virginia	- 1		- 8	7		-	- 5	1 7	1		_	1 1
West Virginia	-	_	1	5	-	_	í	5	-	-	1	î
North Carolina	-	3	3	8	-	3	3	7	-	-	-	-
South Carolina	-	1	6	6	-	1	5	6	-	-	-	1
Georgia	3	1 -	17 6	12 10	3	1 -	16 6	11	-	-	- 4	-
110110014												
EAST SOUTH CENTRAL	3	2	63	60	3	2	59	49	-	-	8	7
Kentucky Tennessee	-	-	1 8	25 9	_	-	1 8	19 4	-	-	8	1
Alabama	3		47	22	3	-	43	22	-	_	_	1
Mississippi	-	2	7	4	-	2	7	4	-	-	-	5
man county animals		,,]	2,4	070		9	0.0	010		_	,	12
VEST SOUTH CENTRAL	_	11 2	24	272 11	_	3	23	213 11	_	2	1	12
Louisiana	-	-	14	19	_	-	14	17	_	-	-	_
Oklahoma	-	3	-	15	-	2	-	12	-	1	-	3
Texas	-	6	6	227	-	5	6	173	-	1	-	9
MOUNTAIN	2	-	4	12	2	_	3	8	-	-	2	3
Montana	-	-	_	3	-	-	-	2	-	-	-	2
Idaho	-	-	1	2	-	-	1	1	-	-	-	-
Wyoming	-	-	-	2	-	-	-	1	-	-		-
Colorado	-	-	- 1	1	-	-	-	-	-	~	1	1
New Mexico Arizona	2	-	1 2	3	2	-	2	3	-		1	
Utah	-	-	-	1	-	-	- ;	1	-	-	-	_
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	1	5	19	65	_	5	16	61	1	_	20	39
Washington	-	-	1	2	-	-	1	2	-	-	3	2
Orecon	-	-	2	5	-	-	1	5	-	-	1	1
Calif Trnia	1	5	16	58	-	5	14	54	1		16	36
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii			-	-	_	-	-	-	-	-	-	
uerto Rico		1	5	12	_	1	4	12	-	_	_	_

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

OCTOBER 5, 1963 AND OCTOBER 6, 1962 - (Continued)

NEW ENGLAND		Brucel	losis.	Diphth	eria	Encepha infect		infe	Hepati ectious a		m	Mea	sles
MINTED STATES 8 285 8 194 23 47 475 339 377 397 398	Area									week			
UNITID STATES 8 285 8 194 23 47 475 359 877 947 803 196. **NESS** SEPARATION** - 1		40th week		40th week		40th	week	1		To	tal	40th	week
NEW ENGLAND		1963	1963	1963	1963	1963	1962			1	1		1962
Maine	UNITED STATES	8	285	8	194	23	47	475	359	877	947	805	1,331
Medica	NEW ENGLAND	-	1	-	8	1	-	70	42	116	97	39	61
Vermont: - 1 4 3 3 7 2 2 4 Masachsects: 6 15 5 5 21 38 9 Rhode Island 2 1 13 2 6 4 4 Commercited 2 1 - 1 2 2 6 4 4 Commercited 3 3 10 13 6 13 8 15 8 15 8 15 8 15 8 15 8 15 8 15 8	Maine	-		-	-	-	-		16	52	28	1	2
Masachusetts		_		_			i			1			1
Rhode Island 3 10 13 6 15 MIDDIA ATLANTIC 6 21 9 9 9 110 94 204 308 317 New York - 3 3 - 13 6 6 6 6 54 NEW York - 3 3 - 13 6 6 6 6 54 NEW York - 3 3 - 13 5 6 6 6 6 54 NEW York - 3 3 - 13 5 6 6 6 6 54 NEW York - 3 3 - 1 3 5 26 6 16 6 17 Pennsylvania - 2 - 5 3 3 3 5 26 6 16 6 17 EAST WORKIN CENTRAL 30 - 23 1 4 73 49 129 174 230 2 Indiana. 5 5 - 1 1 1 2 17 4 4 18 45 69 Michigana. 5 5 - 3 3 - 1 33 27 60 46 52 MISSY NORTH CENTRAL 4 159 - 38 3 - 1 19 19 38 4 48 13 48 48 13 48 48 13 48 14 18 18 18 18 18 18 18 18 18 18 18 18 18				_	l .	Į.				1	1		19 21
MIDDLE ATIANTIC 66 - 21 9 9 110 94 204 198 117 New York 3 - 13 6 6 6 66 54 120 99 75 Sew Jisrey 1 - 3 - 3 - 3 13 6 6 6 66 54 120 99 75 Sew Jisrey 1 - 3 - 3 - 9 14 23 33 25 Sew Jisrey 1 1 - 3 - 9 14 23 33 25 Sew Jisrey 1 1 - 2 17 14 33 33 25 Sew Jisrey 1 1 1 2 17 14 33 53 19 Sew Jisrey 1 1 1 2 17 14 33 53 19 Sew Jisrey 1 1 1 2 17 14 33 53 19 Sew Jisrey 1 1 1 2 17 14 33 53 19 Sew Jisrey 1 1 1 2 17 14 33 53 19 Sew Jisrey 1 1 1 2 17 14 33 53 19 Sew Jisrey 1 1 1 2 17 14 33 53 19 Sew Jisrey 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-	-			1	-			1			5
New York.	Connecticut	-	-		-	-	-	3	10	13	6	15	13
New Jursey		-		-		9	9	110	94	204	198	117	96
Pennsylvania 2 - 5 3 3 3 35 26 61 66 17 2 2						l							46
EAST NORTH CENTRAL 300 - 23 1 4 73 49 129 174 230 2 0 0 0 0 0 0 1 1 1 2 17 14 33 53 19 1 1 1 1 2 17 14 33 53 19 1 1 1 1 2 17 14 33 53 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										1			15
Ohlo.	1 Cimby I Vanila		_	_	,) 3	3	33	20	61	00	17	35
Indiana				-									259
Tilinois							1		1				22
Michigan - 5								-		1			50 26
WEST NORTH CENTRAL.	Michigan		5	-	3	-		33		1			72
Minnesota	Wisconsin	-	2	-	2	-	-	2	-	6	6	47	89
Missouri				-			-		1	38	48	13	278
Missouri				-			1						7
North Dakota			1	-									212
South Dakota. 2 10 - 11 1 1 1 1 - 8 1 - 1 8 1 - 1 -	North Dakota	-	-	-									36
SOUTH CENTRAL - - - - - - - - -						1	-	-	-	-	1		1
SOUTH ATLANTIC. 3 18 1 444 - 21 64 30 94 88 101 10 10 10 10 10 10 10 10 10 10 10 10							1			1			2
Delaware	Milodo	_	0	-	-	-	-	1	2	3	5	NN	NN
Maryland.		1	1		44				30		88	101	105
District of Columbia 1				_	-	_					1		3
Virginia		-	-			_				1			9
North Carolina.				-		-		14		_		42	4
South Carolina.										1			40
Carrier Carr						-							8
EAST SOUTH CENTRAL 13 2 16 1 3 27 25 52 80 35		1		1		-							-
Kentucky 3 8 5 13 26 16 16 17 17 18 18 19 15 15 15 15 15 15 15 15 15 15 15 15 15	Florida	2	3	-	9	-	17	6	5	11	18	2	41
Kentucky. - 3 - - - - 8 5 13 26 16 16 13 19 15 16 15 4 4 15 4 4 15 4 4 16 15 14 16 16 15 4 15 15 15 16 16 16 16 16 16 16 16 17 17 17 16 16 16 16 16 16 16 16 17 17 16 16 16 16 16 17 16 16 16		-	13	2	16	1	3	27	25	52	80	35	56
Alabama.			- 1							-	26	16	15
Mississippi 2 3 1 2 2 4 6 15 4 WEST SOUTH CENTRAL 32 5 35 - 5 21 19 40 63 72 7 Arkansas 7 - 2 - 3 2 1 3 7 - 1 Louisiana - 8 5 18 - 5 5 10 17 - 1 Oklahoma 5 - 6 5 1 Texas 12 - 9 - 2 14 13 27 34 71 7 MOUNTAIN 9 - 5 2 - 15 9 53 50 59 22 Montana 2 4 8 1 17 15 Idaho 2 4 8 1 17 15 Wyoming 1 7 2 8 2 Wyoming 1 1 1 12 17 13 2 New Mexico 3 - 2 - 6 3 10 6 NN 6	Alabama	_	1		- 1								27
Arkansas											- 1		6 8
Arkansas	WEST SOUTH CENTRAL	_	32	5	25		5	21	10				
Louisiana	Arkansas					-							72
Texas 12 - 9 - 2 14 13 27 34 71 77 MOUNTAIN 9 - 5 2 - 15 9 53 50 59 22 Montana 2 4 8 1 17 15 Idaho 7 2 8 1 17 15 Wyoming 1 7 2 8 2 Colorado 3 3 1 12 17 13 2 New Mexico 2 6 3 10 6 NN N Arizona 3 - 2 6 3 10 6 NN N Arizona 3 - 2 11 14 6 Utah 5 4 1 5 9 15 1 Nevada 1 1 5 9 15 1 Washington 1 1 14 6 19 22 22 California. 1 13 - 4 4 5 49 58 107 104 66 5		-	8	5	18	-							1
MOUNTAIN 9 - 5 2 - 15 9 53 50 59 22 1daho 2 4 8 1 17 15 1daho 2 4 8 1 17 15 15 1daho 2 4 8 1 17 15 15 15 14 9 139 17 15 16 15 16 15 16 16 16 19 22 2 18 16 16 16 16 16 16 16 16 16 16 16 16 16		-	-			-	-		-	1 1			-
Montana				-	9	•	2	14	13	21	34	/1	70
Idaho. - - - - - - - 7 2 8 2 Wyoming. - 1 - - - - - 7 2 8 2 Colorado. - - - - - 3 1 12 17 13 2 New Mexico. - - - - - 6 3 10 6 NN N N Arizona. - 3 - - 2 - - - 11 14 6 NN N			- 1	-		1	-				50		227
Wyoming. - 1 -<			1		-			1					153
Colorado.	Wyoming		ı		-							8	20
New Mexico	Colorado			-	3	- 1	-			l I		13	29
Utah						i		6	3	10	6	NN	NN
Nevada				-				i i		1 1			6
Washington - - - - - - 16 5 22 19 28 3 Oregon - 3 - - 2 - 8 6 16 19 22 2 California 1 13 - 4 4 5 49 58 107 104 66 5 Alaska - - - - - - - - - - - - - - Hawaii - 1 -		-	- 1	-		i					- 1		13
Washington - - - - - - 16 5 22 19 28 3 Oregon - 3 - - 2 - 8 6 16 19 22 2 California 1 13 - 4 4 5 49 58 107 104 66 5 Alaska - - - - - - - - - - - - - - Hawaii - 1 -	PACIFIC	1	17	_	4	6	5	76	72	151	1/40	130	177
Oregon 3 2 - 8 6 16 19 22 2 2 California. 1 13 - 4 4 5 49 58 107 104 66 5 5 4 6 7 20 2 2 4 7 7 8 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	Washington	-	-	-		1							37
Alaska				-					6	16	19	22	20
Hawaii 1 3 4		ì		-	4								56
	Hawaii			-	-	-	-			1			21 43
Puerto Rico 12 8 3 11 16 20 3	Puerto Rico												31

Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES. UNITED STATES FOR WILEKS FNDED

OCTOBER 5, 1963 AND OCTOBER 6, 1962 - (Continued)

	Meningo Infecti		Strepto Sore Th Scarlet	roat &	Tetanus	Tickborne Typhus (Rcky Mt.	Tularemia	Typhoi	i Fever	Rabie	s in Anim	nals
Area	40abl-	Cumu- lative 40 weeks	40th	week	40th Wk.	Spotted)	40.1	(Onl. 11)	Cumu- lative 40 weeks	(0.1	1	Cumu- lative
-	40th wk.	1963	1963	1962	1963	1963	40th wk.	40th wk.	1963	40th 1963	week	40 weeks
				 		-			-		1	
UNITED STATES	3 9	1,873	4,649	4,406	6	3	4	19	410	62	58	2,938
NEW ENGLAND	4	116	266	292	-	-	-	-	11	1	-	27
Maine	-	17 4	14	95	-	_	-	-	2 -	1 -	-	12
New Hampshire Vermont	_	4	5	4	_	-	-	-	1 1	-	_	12
Massachusetts	1	54	69	37	-	-	-	-	6	-	-	1
Rhode Island	1 2	11 26	15 162	11 143	-		_	-	2	-	-	
Connecticut	ža.	20	102	1 1								
MIDDLE ATLANTIC	2	254	177	136	1	1	-	3	77	2	11	92
New York	1 1	120 36	135 28	90	-	_	_	3	37	1 -	9 -	68
New Jersey Pennsylvania	-	98	14	32	1	1	-	-	35	1	2	24
			016	0.00								
EAST NORTH CENTRAL	6	290 77	316 26	366 43	1	-	1 -	8	47 16	9	6 2	459 269
Indiana	2	45	72	85	_	-	-	-	7	-	1	42
Illinois	2	55	42	77	-	-	-	-	9	1	2	65
Michigan	1	85 28	122 54	77 84	-	-	1	7	10	1 1	1	43
Wisconsin	1	20	54	04			1			1	1	40
WEST NORTH CENTRAL	2	117	116	145	2	-	-	1	24	16	12	752
Minnesota	1	23 7	6 26	9 32	1 1		-	1	3 3	5 6	8	189
Missouri	-	34	25	13	_	-	_		14	3	2	122
North Dakota	1	13	54	83	-	-	-	-	-	-	-	29
South Dakota	-	5 24	3	- 1	-	-	-	-	1 1	1	2 -	82 27
Nebraska Kansas	-	11	2	7	_		_		2	-		18
	_											
SOUTH ATLANTIC	7	345 4	545 1	378	1 -	1	-	1 -	53	14	7 -	419
Delaware	_	50	7	9	-	-	_		9	_		_
Dist. of Columbia	- 1	6	1	2	-	-	-	-	-	-	-	-
Virginia	2 1	77 18	149 219	76 121	-	1 -		-	8 6	9	3 4	154 108
West Virginia North Carolina	2	62	7	17	1	_		1	7	2	-	14
South Carolina	-	18	33	50	-	-	-	-	3	1	-	8
Georgia	2	28 82	7	5	-	-	-	-	2	-	-	65
Florida	۷	82	121	95	-	-	-	-	15	-	-	69
EAST SOUTH CENTRAL	1	135	763	627	1	-	-	2	58	7	4	235
Kentucky	- 1	29 61	62	49 528	1	-	-	-	12 21	2 5	- 4	111
Tennessee	1	23	650 26	14	_	_	-	1	10	-	4	107
Mississippi	-	22	25	36	-	-	-	1	15	-	-	-
WEST SOUTH CENTRAL	2	170	579	688		1	3	4	75	3	7	557
Arkansas	-	11	4	-	-	1	3	4	29	3	1	66
Louisiana	1	70	6	2	-	-	-	-	22	-	-	42
Oklahoma	1 -	31 58	9 560	1 685	-	-	-	-	5 19	-	5	49 400
Texas		50	200	005		_			1.7		,	400
MOUNTAIN	-	60	1,026	1,040	-	-	-	-	16	4	4	117
MontanaIdaho	-	3 6	24 45	30 82	-	-		-	-	-	-	
Wyoming	-	4	10	7	-	-	-	-	-	-	-	-
Colorado	-	16	407	369	-	-	-	-	6	-	-	16
New Mexico	-	4 10	277 188	386 88	-	-	-	-	3 7	2	- 4	37 53
Utah	-	14	72	72	-	-	-	-	-	-	-	-
Nevada	-	3	3	6	-	-	-	-	-	-	-	11
PACIFIC	15	386	861	734	_	-		_	49	6	7	280
Washington	2	30	295	218	-	-	-	-	2	-	_	-
Oregon	1	28	11	35	-	-	-	-	2		1	8
California	12	308 12	384 24	456 5	-	_	-	-	42	6	6	263
	- 1										-	
Alaska Hawaii	-	8	147	20	-	-	-	-	2		-	-

Table 4 (D). TOTAL DEATHS AMONG PERSONS 65 YEARS AND OVER IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)

Area		For week	s ending		Area		For weeks ending 9/14 9/21 9/28 46 44 53 91 111 135 23 12 15 21 28 16 37 39 45 21 21 27 42 36 39 12 15 12 60 47 45 24 49 32 84 93 72 13 20 17 43 33 31 23 19 18 27 24 17 60 81 60 73 48 38 21 21 14		
	9/14	9/21	9/28	10/5		9/14	9/21	9/28	10/5
NEW ENGLAND:					SOUTH ATLANTIC:				
Boston, Mass	120	132	148	121	Atlanta, Ga	46	44	53	45
Bridgeport, Conn	12	19	29	24	Baltimore, Md	1			143
Cambridge, Mass	13	14	16	25	Charlotte, N.C	23	12		20
Fall River, Mass	16	14	22	14	Jacksonville, Fla	21	28		26
Hartford, Conn	32	27	24	26	Miami, Fla	1		45	48
Lowell, Mass	16 15	17 13	17	15	Norfolk, Va				28
Lynn, Mass New Bedford, Mass	20	20	17 20 ·	13 23	Richmond, Va				38
New Haven, Conn	23	27	32.	24	Savannah, Ga				10
Providence, R.I	30	31	37	37	St. Petersburg, Fla Tampa, Fla	1			61
Somerville, Mass	7	5	10	12	Washington, D.C				26 99
Springfield, Mass	19	27	23	22	Wilmington, Del	1	1		11
Waterbury, Conn	19	20	18	18		1.5		1	111
Worcester, Mass	30	30	30	30	EAST SOUTH CENTRAL:				
					Birmingham, Ala	43	33	31	34
MIDDLE ATLANTIC:	0.0			_	Chattanooga, Tenn	23	19	18	18
Albany, N.Y	28	25	26	27	Knoxville, Tenn	27	24	17	11
Allentown, Pa	28 81	19	23	24	Louisville, Ky	1	F .	60	66
Buffalo, N.Y	24	73	60 21	80 27	Memphis, Tenn			1	56
Elizabeth, N.J	8	19	13	16	Mobile, Ala		ł	1	16
Erie, Pa	25	15	23	12	Montgomery, Ala	17	21	17	15
Jersey City, N.J	- 31	41	33	29	Nashville, Tenn	54	37	43	42
Newark, N.J	45	47	40	46	WEST SOUTH CENTRAL:				1
New York City, N.Y	822	874	972	921	Austin, Tex	30	24	10	15
Paterson, N.J	14	17	17	24	Baton Rouge, La	19	14	17	15
Philadelphia, Pa	279	237	285	282	Corpus Christi, Tex	14	11	8	8
Pittsburgh, Pa	114	89	103	108	Dallas, Tex	62	68	58	63
Reading, Pa	27	41	27	32	El Paso, Tex	16	13	18	13
Rochester, N.Y	57	67	70	76	Fort Worth, Tex	34	38	30	30
Schenectady, N.Y.,	13	16	12	11	Houston, Tex	76	84	92	81
Scranton, Pa	24 41	25 36	25	32	Little Rock, Ark	24	29	30	29
Syracuse, N.Y Trenton, N.J	28	19	34 21	37 27	New Orleans, La	64	65	77	89
Utica, N.Y	16	22	14	15	Oklahoma City, Okla	36	37	42	34
Yonkers, N.Y.	15	15	- 14	15	San Antonio, Tex Shreveport, La	57	49	61	50
		1.5		13	Tulsa, Okla	27 40	27	20	19
EAST NORTH CENTRAL:					Tarba, Oktaining	40	25	12	36
Akron, Ohio	19	36	35	26	MOUNTAIN:				
Canton, Ohio	17	17	20	23	Albuquerque, N. Mex	10	16	13	26
Chicago, Ill	369	401	388	383	Colorado Springs, Colo	15	10	8	7
Cincinnati, Ohio	104	99	75	87	Denver, Colo	63	61	63	64
Cleveland, Ohio	108	112	105	124	Ogden, Utah	6	10	9	9
Columbus, Ohio	67	62	53	67	Phoenix, Ariz	40	44	50	36
Dayton, Ohio	43 185	41	47	55	Pueblo, Colo	4	10	5	6
Detroit, Mich Evansville, Ind	18	187 17	151 24	217 21	Salt Lake City, Utah	28	32	34	29
Flint, Mich	29	22	28	16	Tucson, Ariz	20	18	11	19
Fort Wayne, Ind	20	21	20	24	PACIFIC:	1		}	
Cary, Ind	19	5	12	10	Berkeley, Calif	,,			١,,
Grand Rapids, Mich	40	35	31	30	Fresno, Calif	11 22	6	11	15
Indianapolis, Ind	76	71	88	93	Glendale, Calif	22	13	27 28	33
Madison, Wis	15	8	11	24	Honolulu, Hawaii	23	18	10	22
Milwaukee, Wis	77	69	74	73*	Long Beach, Calif	33	33	38	56
Peoria, Ill	12	15	15	11	Los Angeles, Calif	269	331	320	390
Rockford, III	13	11	19	17	Oakland, Calif	66	54	53	52
South Bend, Ind	30	28	30	23	Pasadena, Calif	25	30	20	23
Toledo, Ohio	61	58	65	57	Portland, Oreg	79	56	81	59
Youngstown, Ohio	35	35	26	42	Sacramento, Calif	33	25	32	40
WEST NORTH CENTRAL.					San Diego, Calif	39	45	55	57
WEST NORTH CENTRAL: Des Moines, Iowa	45	36	32	20	San Francisco, Calif	122	101	110	91
Duluth, Minn	20	21	32 18	28	San Jose, Calif	23	20	17	16
Kansas City, Kans	19	17	15	20 10	Seattle, Wash	80	85	73	80
Kansas City, Mo	73	72	76	59	Spokane, Wash	34	26	33	26
Lincoln, Nebr	26	15	20	19	Tacoma, Wash	27	30	22	24
,	60	47	74	60	San Juan, P.R	1	1	2	.,
Minneapolis, Minn									
Minneapolis, Minn Omaha, Nebr	41	39	43	34	our start, 1.R		<u> </u>		()
Omaha, Nebr St. Louis, Mo		39 124	43 120		Juli Juli, Likiti.		1		()
Omaha, Nebr	41			34	°Current Week Mortality fo				()

*Estimate - based on average percent of divisional total. Totals for previous weeks include reported corrections.

 ⁴⁽A) Total Mortality, all ages.
 11,318

 4(B) Pneumonia-Influenza Deaths, all ages.
 407

 4(C) Total Deaths under 1 Year of Age.
 762

 4(D) Total Deaths, Persons 65 years and over.
 6,227

Morbidity and Mortality Weekly Report



	Barriada Frailes Llanas	Barriada Marrera
Tatal patients		
(from 13 to 59 years		
af age	43	38
Distribution of Symptoms		
Percent		
Fever	95	97
Headache	91	92
Muscle Pain	86	89
Frantal Headache	84	71
Chills	81	89
Canjunctivitis	79	42
Joint Poin	72	82
Neck Pain	72	82
Back Pain	70	92
Orbital Pain	70	66
G.I. Symptoms	65	58
Rosh	49	50
Nausea or Anarexia	44	39
Upper Respiratory		
Involvement	42	_
Lymphadenopathy	35	34

(Reported by Victor Gonzalez, M.D., Director, Bureau of Health, Puerto Rico Department of Health, and a team from the Communicable Disease Center.)

INTERNATIONAL NOTES

Dengue Fever - Jamaica

Nine cases of dengue fever with onset in the first two weeks of September have been reported bringing the total cases thus far in 1963 to 466 cases.

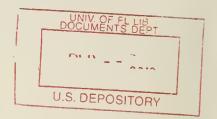
The distribution of these cases according to parishes is as follows: Kingston 121, St. Catherine 118, St. Andrew 195, Portland 52, St. Thomas 27, Clarendon 22, St. James 11, Trelawney 7, St. Elizabeth 5, Manchester 4, St. Mary 3, St. Anne 1. The parishes most affected are in the southeastern part of the island; the two most western parishes have not reported cases. The greatest number of cases reported for any week was 68 during the week ending August 24.

(Reported in Weekly Epidemiological Report of Pan American Sanitary Bureau.)

Notes: These provisional data are based on weekly telegrams to the Communicable Disease Center by the individual State health departments.

Symbols: --- Data not available Quantity zero

Procedures for construction of varions mortality curves may be obtained from Statistics Section, Communicable Disease Center, Public Health Service, U. S. Department of Health, Education, and Welfare, Atlanta 22, Georgia.



Official Business

HEALTH, EDUCATION, AND WELFARE Communicable Disease Center Atlanta 22, Georgia PUBLIC HEALTH SERVICE

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